	Application No.	Applicant(s)
	10/775,251	ITO ET AL.
Notice of Allowability	Examiner	Art Unit
	Michael Komakov	1746
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet wit (OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is s	h the correspondence address— this application. If not included nication will be mailed in due course. THIS
1. This communication is responsive to 10/21/2005.		
2. X The allowed claim(s) is/are 2,33,35,37 and 39-41.		
 3. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	been received. been received in Application	n No
 Copies of the certified copies of the priority doc International Bureau (PCT Rule 17.2(a)). 	cuments have been received	in this national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	ENT of this application. itted. Note the attached EXA	MINER'S AMENDMENT or NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted	
(a) ☐ including changes required by the Notice of Draftspers		(PTO-948) attached
1) hereto or 2) to Paper No./Mail Date	~	,
(b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the statement sheet in the statement sheet.	84(c)) should be written on th	e drawings in the front (not the back) of
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATE	RIAL must be submitted. Note the
Δ.		
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	5 Motice of Inf	ormal Patent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Su	mmary (PTO-413),
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./I 8), 7. ⊠ Examiner's A	Mail Date Amendment/Comment
Paper No./Mail Date <u>02/11/04</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's S	Statement of Reasons for Allowance
of Biological Material	9.	
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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. R. Burgujian, esq., on 01/06/2006.

The application has been amended as follows:

Cancel claims 1, 24-32, 34, 36, 38.

In claim 2 after the words "a vertically extending air intake" insert ---hole and a liquid contacting surface---

In claim 2 replace the word "installed" after the words "a flow control wall" with the clause ---having a top face extended over the substrate holding portion---

In claim 2 after the words "a negative pressure is" insert ---capable of being--In claim 2 replace the word "and" after the words "rotation of said plate," by the
words ---so that---

In claim 2 replace the word "being" after the words "a gas flow" by the word ---is-In claim 35 replace the words "changed during rotation of the plate" after the
words "the center of the plate is" by the words ---changeable to control the negative
pressure---

In claim 37 replace the word "moved" after the words "wherein the plate is" by the words ---capable of moving---

In claim 37 after the words "contact with liquid on the substrate" delete the clause "and the plate is rotated when liquid is in contact with the plate"

In claim 39 replace the word "a" after the word "wherein" by the word ---the--In claim 39 replace the number "38" after the words "according to claim" by the
number ---2---

In claim 40 replace the number "38" after the words "according to claim" by the number ---2---

In claim 40 replace the word "a" after the word "wherein" by the word ---the--In claim 41 replace the clause "wherein the gas flow directed from an outer edge
of the substrate to the center of the substrate is eliminated by generating the gas flow
directed" after the words "apparatus according to claim 2," by the words ---further
including means for directing the gas flow---

In the specification on page 21, line 6, replace the number "12a" by the number --103a---

In the specification on page 25, line 6, replace the number "12a" by the number --103a---

In the specification on page 25, line 6, remove the clause "during a rotation of the plate 103" after the words "in the center of the plate 103"

In the specification on page 31, line 34, replace the number "12a" by the number ---103a---

Allowable Claims

2. Claims 2, 33, 35, 37, 39-41 are allowable over the prior art of record.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: The closest prior art of record are Nakamura et al (U.S. 6,265,323) and Kitano et al (U.S. 6,059,880). Both references recite processing apparatuses the structural elements of which include substrate holding portions and flow control walls, wherein side faces of said holding portions have invertedly-inclined gradients and top faces of said flow control walls have gradients substantially parallel to the gradient of the side faces of said substrate holding portions. The apparatuses of Nakamura and Kitano also include plate shaped nozzles disposed above said substrate holding portions. However, neither Nakamura nor Kitano anticipates or suggests fairly plate shape nozzles having vertically extending air intake holes and rotating mechanisms for rotating plate shape nozzles so that a negative pressure is capable of being generated between the nozzle plates and the substrates held by substrate holding portions.

No other prior art that anticipates or suggests fairly a chemical liquid processing apparatus with the combination of structural elements as instantly claimed has been located as of the date of this office action. Therefore, claims 2, 33, 35, 37, 39-41 are allowed over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Kornakov whose telephone number is (571) 272-1303. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on (571) 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Kornakov Primary Examiner

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